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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/573,418	03/27/2006	Takeshi Iwatsu	286664US6PCT	2799
22850 7590 11/15/2007 OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER TRUONG, DENNIS	
			ART UNIT 2169	PAPER NUMBER
			NOTIFICATION DATE 11/15/2007	DELIVERY MODE ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com  
oblonpat@oblon.com  
jgardner@oblon.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/573,418	<b>Applicant(s)</b> IWATSU ET AL.	
	<b>Examiner</b> Dennis Truong	<b>Art Unit</b> 2169	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 27 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-13 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 March 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☒ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>04/28/2006, 7/06/2007</u> . | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. Claims 1 – 13 are pending.

#### *Information Disclosure Statement*

2. IDS filed on April 28, 2005 and July 06, 2007 was considered by the Examiner.

#### *Claim Rejections - 35 USC § 102*

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-13 are rejected under 35 U.S.C. 102(e) as being anticipated by **Tso et al. (US 681298 B1)** (herein referenced as **Tso**).

As per claim 1, Tso discloses:

- **transmission reception means for transmitting request information requesting page information from an external apparatus** (col. 4 lines 13-15) as “Control continues with step 204 where control determines whether the user has requested a web page using a uniform resource locator (URL)”, **and receiving said page information and prescribed content data included in said page information** (col. 4 lines 36-37), as “control retrieves the requested web page from the web server 14 using the URL” **said external apparatus being connected via a network** (Fig. 1), discloses Ref. 14 as web servers, connected via a network external from Ref. 26 set top;

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- **content data acquisition means for acquiring content data corresponding to a content data acquisition request included in said page information received by said transmission reception means** (col. 4 lines 33-36), as “If the web page is not dynamically generated and the web page does not exist in cache, control continues from step 208 to step 216. In step 216, control retrieves the requested web page from the web server 14 using the URL.,” which is acquiring content data as claimed;
- **storage means for storing said content data acquired by said content data acquisition means** (col. 4 lines 43), as “control stores the web page in the cache in step 228”;
- **output means for outputting the content data acquired by said content data acquisition means along with said page information** (col. 4 lines 29), as “control continues with step 212. Control outputs the web page to the display 30 and continues with step 204” and (col. 4 lines 44-45) as ,” control stores the web page in cache and outputs the web page to the display 30 in step 256”; and
- **control means for detecting whether or not the content data corresponding to said content data acquisition request is registered in said storage means** (col. 4 lines 26-27), as “step 208; where control determines whether the web pgae requested by the user exists in the cache 164”, **and controlling said content data acquisition means such that when said content data is registered said content data is acquired from said storage means by said content data acquisition means** (col. 4 lines 27-30), as “If the web page exists in the cache 164, control continues with step 212. Control outputs the web page to the display 30 and continues with step 204”, **and when said content data is not**

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**registered in said storage means said content data is acquired from said external apparatus via said transmission reception means** (col. 4 lines 33-37), as “If the web page is not dynamically generated and the web page does not exist in cache control continues from step 208 to step 216. In step 216, control retrieves the requested web page from the web server 14 using the URL.”

**As per Claim 2, Claim 1 is incorporated and further Tso discloses:**

- **wherein said control means stores in said storage means the content data corresponding to the content data acquisition request included in said page information** (col. 4 lines 43), as “control stores the web page in the cache in step 228” where web page is content data as claimed.

**As per Claim 3, Claim 2 is incorporated and further Tso discloses:**

- **wherein said control means stores in said storage means an image data associated with page information of portal site** (col. 3 lines 62-63), as “Cache items include web pages or HTML documents that include HTML text plus **images, audio.**”

**As per Claim 4, Claim 2 is incorporated and further Tso discloses:**

- **said control means stores in said storage means a sound data associated with page information of portal site** (col. 3 lines 62-63), as “Cache items include web pages or HTML documents that include HTML text plus **images, audio.**”

**As per Claim 5, Claim 1 is incorporated and further Tso discloses:**

- **wherein said control means stores in said storage means the content data that has been accessed more than a certain number of times** (Fig. 7A, Ref. 410) shows the cache with a count of number “times used.”

**As per Claim 6, Claim 1 is incorporated and further Tso discloses:**

- **wherein said control means removes from said storage means the content data that has been relatively less accessed** (col. 5 lines 4-8), as “control deletes the web page with the lowest removal factor and returns to step 252. Control also preferably removes web pages that were preloaded when the deleted web page was initially loaded.”

**As per Claim 7, Claim 6 is incorporated and further Tso discloses:**

- **wherein said control means registers in said storage means an indicator showing importance of said content data along with said content data, and prevents said content data from being removed in response to said indicator of said content data regardless of a frequency of playback of said content data** (col. 5 lines 4-5) as “control deletes the web page with the lowest removal factor and returns to step 252” where removal factor is based on (col. 7 lines 65 – col. 8 lines 3) “function F that depends on one or more of the usage and/or data type factors for each cache item” where because the removal factor is based on one or more of the usage and/or data type the removal of the item can be prevented regardless of the frequency of the page accessed.

**As per Claim 8, Claim 1 is incorporated and further Tso discloses:**

- **wherein, when said control means receives compressed content data from said external apparatus, said control means registers in said storage means said content data in uncompressed format** (col. 6 lines 23-24), as “indicates whether the cache item is compressed (“C”) or decompressed (“D”),” which shows that both compress and uncompressed data can be stored.

**As per Claim 9, Claim 8 is incorporated and further Tso discloses:**

- wherein, when said control means receives the compressed content data with a certain attribute, said control means registers in said storage means said content data in uncompressed format (col. 6 lines 23-24), as “indicates whether the cache item is compressed (“C”) or decompressed (“D”),” where (“C”) and (“D”) are claimed attribute.

As per Claim 10, Claim 1 is incorporated and further Tso discloses:

- wherein: said content data acquisition means further including reproduction means for reproducing the content data acquired; and said control means converts the content data acquired from said external apparatus into a compression format corresponding to characteristics of said reproduction means, and then registers said content data in said storage means (col. 4 lines 29), as “control continues with step 212. Control outputs the web page to the display 30 and continues with step 204” and (col. 4 lines 44-45) as ,” control stores the web page in cache and outputs the web page to the display 30 in step 256” show reproducing stored content and (col. 6 lines 23-24), as “indicates whether the cache item is compressed (“C”) or decompressed (“D”) show the ability to reproduce compressed data.

As per Claim 11, Claim 1 is incorporated and further Tso discloses:

- wherein: the page information received by said transmission reception means includes said content data acquisition request and Uniform Resource Locator (URL); and said control means accesses, when the content data corresponding to said content data acquisition request is not registered in said storage means, said URL to acquire said content data from said external apparatus (col. 4 lines 36-37),

as “control retrieves the requested web page from the web server 14 using the URL” and (Fig. 1), discloses Ref. 14 as web servers, connected via a network external from Ref. 26 set top.

**Claim 12** is an information reproduction method corresponding to the apparatus claim 1, and is rejected under the same reason set forth in connection to rejection of claim 1 above.

**Claim 13** is a program product claim corresponding to the apparatus claim 1, and is rejected under the same reason set forth in connection to rejection of claim 1 above. Where Tso further discloses the program product stored upon a computer readable medium to be process as (col. 4 lines 1-2) as “cache manager 166 is associated with one or more tables 168 that contain information for managing the cache 164.”

### ***Conclusion***

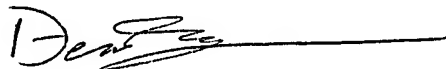
5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dennis Truong whose telephone number is (571) 270-3157. The examiner can normally be reached on MON - FRI: 7:30 - 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MOHAMMAD Ali can be reached on (571) 272-4105. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

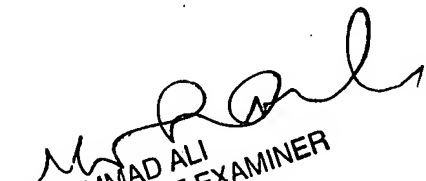


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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



11/8/07

Dennis Truong  
Patent Examiner  
MOHAMMAD ALI  
SUPERVISORY PATENT EXAMINER